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(71) Applicant (for all designated States except US): UPM-KYMMENE CORPORATION [FI/FI]; Eteläesplanadi 2, FI-00130 HELSINKI (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VARPULA, Timo [FI/FI]; Suuvalpolku 7 A, FI-01660 VANTAA (FI). SEPPÄ, Heikki [FI/FI]; Partiotie 26, FI-00370 HELSINKI (FI). SAARI, Juha-Matti [FI/FI]; Rautakiskonkuja 4 B 17, FI-02650 ESPOO (FI).

(74) Agent: GUSTAFSSON, Helmer; UPM-Kymmene Corporation, P.O. Box 40, FI-37601 VALKEAKOSKI (FI).

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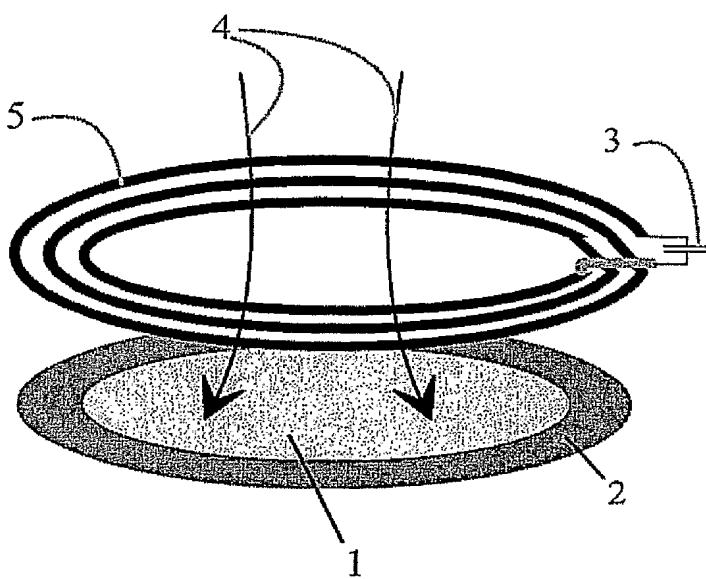
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(54) Title: A RADIOFREQUENCY BASED SENSOR ARRANGEMENT AND A METHOD



(57) **Abstract:** The invention relates to a sensor arrangement and a method for a sensor arrangement (1, 3, 5) remotely readable by radio frequencies. The sensor arrangement comprises an LC resonator (3, 5) which comprises a capacitor (3) and a coil (5), and a sensor element (1) coupled to the LC resonator (3, 5) whose properties change as a function of a measurable quantity. A sensor element (1) according to the invention does not form a direct galvanic contact with the LC resonator (3, 5), rather the coupling is implemented capacitively or inductively.